24

CLAIMS

1. Method for controlling the forwarding quality in a data network comprising
a measurement manager comprising means for performing end-to-end
measurements between nodes in said data network and a Network
Resource Manager, NRM, comprising means for obtaining information of
the network topology, the method is **characterised in** that it comprises the
steps of:

-*transferring* the obtained information of the network routing topology from
the NRM to the measurement manager or transferring a result of the
performed end-to-end measurements from a measurement manager to the
NRM, and

-*combining* said end-to-end measurements and said obtained information of
the network routing topology into a first information set in order to detect
correlated and uncorrelated paths.

2. Method according to claim 1, comprising the further step of:

-*combining* said first information set with information on data flow presence
at individual out-interfaces.

3. Method according to claim 1, comprising the further step of:

-scheduling the transfer of the obtained information of the network routing
topology over time or initiating the transfer of the obtained information of
the network routing topology periodically.

4. Method according to claim 1, comprising the further step of:

-scheduling the transfer of the result of the performed end-to-end
measurements over time or initiating the transfer of the result of the
performed end-to-end measurements periodically.

5. Method according to claim 1, comprising the further step of:

    -requesting the transfer of the obtained information of the network routing topology explicitly by a master manager such as a measurement manager.

5   6. Method according to claim 1, comprising the further step of:

    -requesting the transfer of the result of the performed end-to-end measurements explicitly by a master manager such as an NRM.

7. Method according to claim 1, comprising the further step of:

10 -triggering the transfer of the obtained information of the network routing topology by specific events in a slave manager such as the NRM defined by a master manager such as the measurement manager.

8. Method according to claim 1, comprising the further step of:

15 -triggering the transfer of the result of the performed end-to-end measurements by specific events in a slave manager such as the measurement manager defined by a master manager such as the NRM.

9. A computer program product directly loadable into the internal memory of a

20 computer within one or more nodes in a data network, comprising the software code portions for performing the steps of any of claims 1-8.

10. A computer program product stored on a computer usable medium, comprising readable program for causing a computer, within one or more

25 nodes in a data network to control an execution of the steps of any of the claims 1-8.